

DEPARTMENT OF THE ARMY  
UNITED STATES ARMY RESERVE  
MILITARY CONSTRUCTION PROGRAM  
FY 1998/1999 BIENNIAL BUDGET ESTIMATES



19970304 003

FY 1998

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SUBMITTED TO CONGRESS  
FEBRUARY 1997

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Department of the Army  
 Military Construction, Army Reserve - FY 1998  
 Index of Locations  
 (Dollars in Thousands)

<u>State/ County</u>	<u>Installation and Location Project Title</u>	<u>Auth Amount</u>	<u>Approp Amount</u>	DD Form 1391 Page No.
INSIDE THE UNITED STATES				
California	Sacramento			
	USAR Center/Organizational Maintenance Shop/Area Maintenance SupportActivity	<u>20,972</u>	<u>13,072</u>	II-3
	Subtotal	20,972	13,072	
Wisconsin	Fort McCoy			
	Army Reserve Regional Training Center, Phase II	14,856	14,856	II-7
	Combat Pistol Range	1,500	1,500	II-11
	Electric Power to Ranges	2,611	2,611	II-15
	Modified Record Fire Range	<u>1,973</u>	<u>1,973</u>	II-19
	Subtotal	20,940	20,940	
	Subtotal Major Construction	41,912	34,012	
Support	Unspecified Minor Construction Planning and Design	0 <u>5,100</u>	0 <u>5,100</u>	NA II-21
	Grand Total Authorization/TOA	47,012	39,112	

Department of the Army  
Military Construction, Army Reserve - FY 1998  
Index of Locations  
Air and Water Pollution Abatement  
(Dollars in Thousands)

<u>State/ County</u>	<u>Installation and Location Project Title</u>	<u>Auth/</u>	<u>DD Form</u>
		<u>Approp</u>	<u>1391</u>
		<u>Amount</u>	<u>Page</u>
			<u>No.</u>
None			

Department of the Army  
Military Construction, Army Reserve - FY 1998  
Index of Locations  
Energy Conservation Investment Program  
(Dollars in Thousands)

<u>State/</u> <u>County</u>	<u>Installation and Location</u> <u>Project Title</u>	<u>Auth/</u> <u>Approp</u> <u>Amount</u>	<u>DD Form</u> 1391 <u>Page</u> <u>No.</u>
None			

Department of the Army  
 Military Construction, Army Reserve - FY 1998  
 New Mission/Current Mission Listing  
 (Dollars in Thousands)

<u>Location</u>	<u>Project</u>	<u>Cost</u>	<u>New/ Current</u>
Sacramento, CA	USAR Center/Organizational Maintenance Shop	20,972	C
Fort McCoy, WI	Army Reserve Regional Training Center, Phase II	14,856	C
	Combat Pistol Range	1,500	C
	Electric Power to Ranges	2,611	C
Modified Record Fire Range	1,973	C	
	Total New Mission	0	
	Total Current Mission	41,912	
	Subtotal Major Construction	41,912	
Various Locations	Unspecified Minor Construction	0	NA
	Planning and Design	<u>5,100</u>	NA
	Total	47,012	

SECTION I

DEPARTMENT OF THE ARMY  
JUSTIFICATION OF ESTIMATES FY 1998

APPROPRIATION LANGUAGE

MILITARY CONSTRUCTION, ARMY RESERVE

For construction, acquisition, expansion, rehabilitation, and conversion of facilities for the training and administration of the Army Reserve as authorized by Chapter 1803 of Title 10, United States Code and military construction Authorization Acts, (\$55,543,000) \$47,012,000 to remain available until September 30, (2001) 2002.

Mill. Con., Army Reserve  
Program and Financing (in Thousands of dollars)

		Budget Plan (amounts for MILITARY CONSTRUCTION actions programmed)		
Identification code	21-2086-0-1-051	1996 actual	1997 est.	1998 est.
<b>Program by activities:</b>				
Direct program:				
00.0101	Major construction	59,434	50,294	41,912
00.0201	Minor construction	1,700	5,249	58,640
00.0301	Planning	3,694	5,100	1,500
00.9101	Total direct program	64,828	55,543	47,012
10.0001	Total	64,828	55,543	47,012
<b>Financing:</b>				
17.0001	Recovery of prior year obligations			
21.4001	Unobligated balance available, start of year;			
21.4002	Unobligated balance available, start of year (-)	-7,900	-7,900	
21.4009	For completion of prior year budget plans			
24.4001	Unobligated balance available, end of year;			
24.4002	Unobligated balance available, end of year			
25.0001	For completion of prior year budget plans			
25.0009	Unobligated balance expiring			
40.0001	Budget authority (Appropriation)	72,728	55,543	39,112
<b>Relation of obligations to outlays:</b>				
71.0001	Obligations incurred			
72.4001	Obligated balance, start of year			
74.4001	Obligated balance, end of year			
77.0001	Adjustments in expired accounts (net)			
78.0001	Adjustments in unexpired accounts			
90.0001	Outlays (net)			

M11. Con. : Army reserve  
Program and Financing ( in Thousands of dollars )

FEB 97

		Obligations		
		1996 actual	1997 est.	1998 est.
Identification code	21-2086-0-1-051			
Program by activities :				
Direct program:				
00.0101 Major construction	86,872	67,757	42,492	61,271
00.0201 Minor construction	2,885	1,780		1,200
00.0301 Planning	9,915	6,454	4,447	5,524
00. 9101 Total direct program	99,672	75,991	46,939	67,995
10.0001 Total	99,672	75,991	46,939	67,995
Financing:				
17.0001 Recovery of prior year obligations	-2,545			
Unobligated balance available, start of year;				
Unobligated balance available, start of year (-)				
21.4001 For completion of prior year budget plans	-84,988	-7,900	-7,900	
21.4002 Reprogramming from/to prior year budget plans	-48,773	-48,773	-28,325	-28,398
21.4009 Unobligated balance available, end of year;				
24.4001 Unobligated balance available, end of year	7,900	7,900	28,325	28,398
24.4002 For completion of prior year budget plans	48,773	28,325		
25.0001 Unobligated balance expiring	3,916			
40.0001 Budget authority (Appropriation)	72,728	55,543	39,112	66,140
Relation of obligations to outlays:				
71.0001 Obligations incurred				
72.4001 Obligated balance, start of year	99,672	75,991	46,939	67,995
74.4001 Obligated balance, end of year	125,708	117,824	111,827	92,618
77.0001 Adjustments in expired accounts (net)	-117,824	-111,827	-92,618	-100,929
78.0001 Adjustments in unexpired accounts	494			
90.0001 Outlays (net)	-2,545			
	105,505	81,988	66,148	59,684

H-3

Mil. Con.; Army Reserve  
Object Classification (in Thousands of dollars)

		1996 actual	1997 est.	1998 est.	1999 est.
Identification code	21-2086-0-1-051				
Direct obligations:					
121.001	Travel and transportation of persons	60	45	34	38
123.101	Rental payments to GSA	23	17	13	14
124.001	Printing and reproduction	16	12	9	10
125.201	Other services with the private sector	11,451	8,656	6,407	7,171
126.001	Supplies and materials	5	3	3	3
132.001	Land and structures	88,117	67,258	40,473	60,759
199.001	Total Direct obligations	99,672	75,991	46,939	67,995
999.901	Total obligations	99,672	75,991	46,939	67,995

MILITARY CONSTRUCTION, ARMY RESERVE  
FY 1998

SPECIAL PROGRAM CONSIDERATIONS

Pollution Abatement

The military construction projects proposed in this program will be designed to meet environmental standards. Military construction projects proposed primarily for abatement of existing pollution problems at installations have been reviewed to ensure that corrective design is accomplished in accordance with specific standards and criteria.

Energy Conservation

Military construction projects specifically for energy conservation at installations have been developed, reviewed, and selected with prioritization by energy savings per investment cost. Projects include improvements to existing facilities and utilities systems to upgrade design, eliminate waste, and install energy saving devices. Projects are designed for minimum energy consumption.

Flood Plain Management and Wetlands Protection

Proposed land acquisitions, disposals, and installation construction projects have been planned to allow the proper management of flood plains and the protection of wetlands by avoiding long and short term adverse degradation of wetlands. Project planning is in accordance with the requirements of Executive Order Nos. 11988 and 11990.

Design for Accessibility of Physically Handicapped Personnel

In accordance with Public Law 90-480, provisions for physically handicapped personnel will be provided for, where appropriate, in the design of facilities included in this program.

Environmental Protection

In accordance with Section 102(2)(c) of the National Environmental Policy Act of 1969 (PL 91-190), the environmental impact analysis process has been completed or is actively underway for all projects in the Military Construction Program.

## SPECIAL PROGRAM CONSIDERATIONS

(continued)

### Economic Analysis

Economics are an inherent aspect of project development and design of military construction projects. Therefore, all projects included in this program represent the most economical use of resources.

### Reserve Potential

The Reserve potential to meet and maintain authorized strengths of all Reserve flying/nonflying units in those areas in which these facilities are to be located has been reviewed. It has been determined, in coordination with all other Services having Reserve flying/nonflying units in these areas, that the number of units of the Reserve components of the Armed Forces presently located in those areas, and those which have been allocated to the areas for future activation, is not and will not be larger than the number that reasonably can be expected to be maintained at authorized strength considering the number of persons living in the areas who are qualified for membership in those Reserve units.

### Preservation of Historical Sites and Structures

Facilities included in this program do not directly or indirectly affect a district, site, building, structure, object, or setting listed in the National Register of Historic Places, except as noted on DD Form 1391.

### Use of Excess Schools and Other Buildings

Considerations were made to utilize available commercial or academic buildings but none were suitable except as identified by specific projects in this request.

### Placement of Reserve Component Units in Local Communities

The Reserve manpower potential to meet and maintain authorized strengths of all Reserve units in the areas where units are to be located has been reviewed in accordance with the procedures described in DoD Directive 1225.7.

It has been determined, in coordination with the other Military Departments having Reserve units in the area, that the number of Reserve components presently located in the area, and those units having been allocated to this area for future activation, is not and shall not be larger than the number that reasonably may be maintained at authorized strength.

## SPECIAL PROGRAM CONSIDERATIONS

(continued)

### Facility Planning and Design Guide

Unless otherwise noted, the projects comply with the scope and design criteria prescribed in Part II of Military Handbook 1190, "Facility Planning and Design Guide."

### Congressionally Directed Projects

No projects were directed by any congressional committee for inclusion in the FY 1998 budget.

### Congressional Reporting Requirements

### Maintenance and Repair of Real Property

The following information is in response to the Senate Appropriations Committee requirement contained on page 24 (Non-MILCON Construction Activities) of the Report #100-200 and page 1006 (Non-MILCON Construction activities), Senate and House Conference Report #100-498.

<u>Appropriation</u>	<u>(\$000)</u>
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Operation and Maintenance, Army Reserve

- Maintenance and Repair	79.5
- Minor Construction	5.8

### Battle Projection Center, Fort Dix, NJ

The following information is in response to the House National Security Committee requirement contained on page 407 of the Report #104-563. The subject project currently is outside the Army Reserve's Future Years Defense Plan. Per House Appropriations Conference Report 103-624, page 10, the subject project is intended to be sited at the Kilmer USAR Center, Edison, NJ.

### Planning and Design Activities, FY 1996

The following information is in response to the House National Security Committee requirement contained on page 407 of the Report #104-563. User requirements for the Regional Training Site, Intelligence (RTS-I) are being compiled so that design may be initiated.

SPECIAL PROGRAM CONSIDERATIONS

(continued)

Armed Forces Reserve Center, Manchester, NH

The following information is in response to the Senate Appropriations Committee requirement contained on page 20 of the Report #104-287. The project at Manchester, NH, was awarded and is under construction.

Planning and Design, Guard and Reserve Forces Facilities

The following information is in response to the the House National Security Committee requirement contained on page 383 of the Report #104-267. User requirements for the fiscal year 2003 project at Oakdale, PA, are being compiled and validated so that design may be initiated at a future date using planning and design funds.

SECTION II

1. COMPONENT USAR	<b>FY 1998 GUARD AND RESERVE MILITARY CONSTRUCTION</b>			2. DATE Feb 97															
3. INSTALLATION AND LOCATION USAR Center, Sacramento, CA				4. AREA CONSTR COST INDEX 1.12															
5. FREQUENCY AND TYPE UTILIZATION  Reservists - 3 weekends/month; 2 nights/week Full-Time Personnel - 5 days/week																			
6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 15 MILE RADIUS USAF, Mather AFB, Sacramento, CA - 11 km USAR Center, Sacramento, CA - 11 km ASAF, McClellan AFB, Sacramento, CA - 16 km																			
7. PROJECTS REQUESTED IN THIS PROGRAM																			
<table border="1"> <thead> <tr> <th>CATEGORY CODE</th> <th>PROJECT TITLE</th> <th>SCOPE</th> <th>COST (\$000)</th> <th>DESIGN STATUS START</th> <th>COMPLETE</th> </tr> </thead> <tbody> <tr> <td>171-40</td> <td>USARC/OMS/AMSA</td> <td>10,742 m<sup>2</sup></td> <td>13,072</td> <td>03/95</td> <td>09/97</td> </tr> <tr> <td colspan="6">*   NOTE: Appropriation Request = \$13,072 Authorization Request = \$20,972 (Total Project Cost)</td> </tr> </tbody> </table>		CATEGORY CODE	PROJECT TITLE	SCOPE	COST (\$000)	DESIGN STATUS START	COMPLETE	171-40	USARC/OMS/AMSA	10,742 m <sup>2</sup>	13,072	03/95	09/97	*   NOTE: Appropriation Request = \$13,072 Authorization Request = \$20,972 (Total Project Cost)					
CATEGORY CODE	PROJECT TITLE	SCOPE	COST (\$000)	DESIGN STATUS START	COMPLETE														
171-40	USARC/OMS/AMSA	10,742 m <sup>2</sup>	13,072	03/95	09/97														
*   NOTE: Appropriation Request = \$13,072 Authorization Request = \$20,972 (Total Project Cost)																			
8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION Facilities identified in Item 6 have been examined by the <u>12 Mar 96</u> <u>(Date)</u> Joint Service Reserve Component Facility Board for possible joint use/expansion. The board recommends unilateral construction.																			
9. LAND ACQUISITION REQUIRED None																			
10. PROJECTS PLANNED IN NEXT FOUR YEARS None																			

1. COMPONENT USAR	FY 1998 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE Feb 97	
3. INSTALLATION AND LOCATION USAR Center, Sacramento, CA			
11. PERSONNEL STRENGTH AS OF 07 Jan 96			
	PERMANENT	GUARD/RESERVE	
	TOTAL OFFICER ENLISTED	CIVILIAN	TOTAL OFFICER ENLISTED
AUTHORIZE	50 8 29	13	1115 161 954
ACTUAL	50 8 29	13	1114 121 993
12. RESERVE UNIT DATA ASGD/AUTH 100%			
STRENGTH			
UNIT DESIGNATION	AUTHORIZED	ACTUAL	
304 PO CO	78	66	
416 ENCOM SACTO TM	5	5	
921 MD FH (HUB)	363	409	
921 MD FH (HUB) HOLDING	63	81	
104 BN 3 BDE	109	29	
415 RGT 1 BN HQ	18	23	
415 RGT 1 BN CO A/B/C/D/E	105	106	
319 SC BN HHC	146	159	
319 SC BN CO A	114	123	
319 SC BN CO C	114	113	
Totals	1,115	1114	
13. MAJOR EQUIPMENT AND AIRCRAFT			
TYPE	AUTHORIZED	ACTUAL	
Wheeled Vehicles	198	198	
Trailers	139	139	
Totals	337	337	
14. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES (\$000)			
Air Pollution	0		
Water Pollution	0		
Safety and Occupational Health	0		

1. COMPONENT USAR	FY 1998 MILITARY CONSTRUCTION PROJECT DATA			2. DATE Feb 97
3. INSTALLATION AND LOCATION USAR Center Sacramento, CA		4. PROJECT TITLE USARC/OMS/AMSA		
5. PROGRAM ELEMENT 0505978A	6. CATEGORY CODE 171-40	7. PROJECT NUMBER CAR 98-01519	8. PROJECT COST (\$000) 13,072	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
<u>PRIMARY FACILITIES:</u> Training Buildings Maintenance Building Unheated Storage	m2 m2 m2	9225 1045 472	1184 1420 591	<u>12687</u> (10924) (1484) (279)
<u>SUPPORTING FACILITIES:</u> Site Preparation/Improvement Utilities/Telecommunications Pre-wired Workstations Paving/Fencing/Lighting/Landscaping Demolition, Bldgs 651-650; 180; 794	LS LS LS LS LS			(2090) (677) (1101) (1531) (757)
TOTAL CONSTRUCTION COST Contingencies (5.0%) Supervision and Administration (6.0%)				18843 942 <u>1187</u>
TOTAL PROJECT COST (Amount of Authorization Request)				20972
LESS Directed use of prior-year unobligated funds				(7900)
Amount of Appropriation Request				13072
10. DESCRIPTION OF PROPOSED CONSTRUCTION Construct a new U.S. Army Reserve Center (USARC), Organizational Maintenance Shop (OMS), and Area Maintenance Support Activity (AMSA). The USARC complex will consist of three buildings: administration, classroom/assembly, and storage. Permanent construction will include concrete foundations and floor slabs, structural steel frames with masonry veneer, and insulated standing seam metal roofs. Supporting work includes demolition of existing structures, extension of utilities to the project site, plus wash racks, parking areas, security fencing, and lighting. <u>Air Conditioning: 352 kW.</u>				
11. REQUIREMENT: 10,742 m <sup>2</sup> Adequate: 0 m <sup>2</sup> Substandard: 0 m <sup>2</sup>				
PROJECT: Construct a new U.S. Army Reserve Center, Organizational Maintenance Shop, and Area Maintenance Support Activity (USARC/OMS/AMSA). (Current Mission) REQUIREMENT: This project will provide 14 reserve units with essential and adequate space to conduct training, equipment maintenance, logistic support, and required administrative functions to enhance unit readiness. The facilities will include classrooms, library, learning center, multi-purpose assembly area, arms vault, and unit and individual equipment storage areas. The new five-bay maintenance facility will provide space for both reserve unit and full-time equipment maintenance training and/or support activities, and will include space for tool and parts storage, flammable material storage, and vehicle battery storage and charging. The new facility will provide secure parking for over 300 items of military equipment and will include vehicle wash racks. A site will also be provided for a Deployable Medical System (DEPMEDS), which provides minimum essential equipment for training (MEET) for the field hospital unit.				

1. COMPONENT USAR	FY 1998 MILITARY CONSTRUCTION PROJECT DATA	2. DATE Feb 97																												
3. INSTALLATION AND LOCATION USAR Center Sacramento, CA																														
4. PROJECT TITLE USARC/OMS/AMSA	5. PROJECT NUMBER CAR 98-01519																													
<p><b>CURRENT SITUATION:</b> A Secretary of the Army decision, dated 23 Feb 93, established a 33.5 acre reserve enclave at the south end of Sacramento Army Depot (SAAD) for the express purpose of providing land for new USAR facilities. Units are currently occupying a variety of inadequate permanent and temporary facilities scattered across the new enclave as well as the adjacent depot property, which is scheduled to close under the 1990 Base Realignment and Closure Act (BRAC). Unit integrity is disrupted, and training time is lost because units are not consolidated in facilities configured to support efficient training and operations. Four units have vacated leased facilities in the region and are now located in overcrowded temporary buildings both on and adjacent to the enclave. AMSA #20 is dispersed in several smaller and inadequate facilities of the supported units, and the AMSA cannot centralize its functions and support efforts.</p> <p><b>IMPACT IF NOT PROVIDED:</b> The excessive degree of unit dispersion, overcrowding, and use of inadequate and substandard facilities will continue to have a marked effect on the conduct of effective readiness training, and to impact negatively on maintenance training, services, and support.</p>																														
12. SUPPLEMENTAL DATA:																														
<p>a. Estimated Design Data:</p> <p>(1) Status:</p> <table> <tr><td>(a) Date Design Started .....</td><td><u>03/95</u></td></tr> <tr><td>(b) Percent Complete as of Jan 97 .....</td><td><u>65</u></td></tr> <tr><td>(c) Date Design 35% Complete .....</td><td><u>06/96</u></td></tr> <tr><td>(d) Date Design Complete .....</td><td><u>09/97</u></td></tr> </table> <p>(2) Basis:</p> <table> <tr><td>(a) Standard or Definitive Design - No</td></tr> <tr><td>(b) Where Design Was Most Recently Used - N/A</td></tr> <tr><td>(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)</td></tr> <tr><td>(a) Production of Plans and Specifications .....</td><td><u>(1200)</u></td></tr> <tr><td>(b) All Other Design Costs .....</td><td><u>( 478)</u></td></tr> <tr><td>(c) Total .....</td><td><u>(1678)</u></td></tr> <tr><td>(d) Contract .....</td><td><u>(1578)</u></td></tr> <tr><td>(e) In-House .....</td><td><u>( 100)</u></td></tr> <tr><td>(4) Construction Start .....</td><td><u>03/98</u></td></tr> </table>			(a) Date Design Started .....	<u>03/95</u>	(b) Percent Complete as of Jan 97 .....	<u>65</u>	(c) Date Design 35% Complete .....	<u>06/96</u>	(d) Date Design Complete .....	<u>09/97</u>	(a) Standard or Definitive Design - No	(b) Where Design Was Most Recently Used - N/A	(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)	(a) Production of Plans and Specifications .....	<u>(1200)</u>	(b) All Other Design Costs .....	<u>( 478)</u>	(c) Total .....	<u>(1678)</u>	(d) Contract .....	<u>(1578)</u>	(e) In-House .....	<u>( 100)</u>	(4) Construction Start .....	<u>03/98</u>					
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<p>b. Equipment associated with this project which will be provided from other appropriations:</p> <table> <thead> <tr> <th>Equipment Nomenclature</th> <th>Procuring Appropriation</th> <th>Fiscal Year Appropriated Or Requested</th> <th>Cost (\$000)</th> </tr> </thead> <tbody> <tr><td>Kitchen Equipment</td><td>OMAR</td><td>1998</td><td>140</td></tr> <tr><td>Wire Partitions</td><td>OMAR</td><td>1998</td><td>400</td></tr> <tr><td>Metal Shelving</td><td>OMAR</td><td>1998</td><td>500</td></tr> <tr><td>Dehumidifier</td><td>OMAR</td><td>1998</td><td>3</td></tr> <tr><td>Furniture</td><td>OMAR</td><td>1999</td><td><u>550</u></td></tr> <tr><td>Total</td><td></td><td></td><td><u>1593</u></td></tr> </tbody> </table>			Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost (\$000)	Kitchen Equipment	OMAR	1998	140	Wire Partitions	OMAR	1998	400	Metal Shelving	OMAR	1998	500	Dehumidifier	OMAR	1998	3	Furniture	OMAR	1999	<u>550</u>	Total			<u>1593</u>
Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost (\$000)																											
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Wire Partitions	OMAR	1998	400																											
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Dehumidifier	OMAR	1998	3																											
Furniture	OMAR	1999	<u>550</u>																											
Total			<u>1593</u>																											
POC: LTC Sugimura, 703-696-3992																														

1. COMPONENT USAR	<b>FY 1998 GUARD AND RESERVE MILITARY CONSTRUCTION</b>			2. DATE Feb 97
3. INSTALLATION AND LOCATION Fort McCoy, Sparta, WI				4. AREA CONSTR COST INDEX 1.33
5. FREQUENCY AND TYPE UTILIZATION  Reservists - N/A Full-Time Personnel - 7 days/week				
6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 15 MILE RADIUS None				
7. PROJECTS REQUESTED IN THIS PROGRAM				
<u>CATEGORY CODE</u>	<u>PROJECT TITLE</u>	<u>SCOPE</u>	<u>COST (\$000)</u>	<u>DESIGN STATUS START</u>
171-40	ARRTC (Phase II)	9,873 m2	14,856	09/91 06/94
8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION Facilities identified in Item 6 have been examined by the <u>12 Jul 96</u> (Date) Joint Service Reserve Component Facility Board for possible joint use/expansion. The board recommends unilateral construction.				
9. LAND ACQUISITION REQUIRED None <u>0</u> (Number of Acres)				
10. PROJECTS PLANNED IN NEXT FOUR YEARS				
Fiscal Year      Cost (\$000)				
Combat Pistol Range	1998	1,500		
Electric Power to Ranges	1998	2,611		
Modified Record Fire Range	1998	1,973		
Crash Rescue Station	1999	2,140		
Machine Gun Range	1999	2,350		
RPM Backlog (\$000): 9,659				

1. COMPONENT USAR	FY 1998 GUARD AND RESERVE MILITARY CONSTRUCTION				2. DATE Feb 97
3. INSTALLATION AND LOCATION Fort McCoy, Sparta, WI					
11. PERSONNEL STRENGTH AS OF N/A					
PERMANENT				GUARD/RESERVE	
	<u>TOTAL</u>	<u>OFFICER</u>	<u>ENLISTED</u>	<u>TOTAL</u>	<u>OFFICER</u>
AUTHORIZE	—	—	—	—	—
ACTUAL	—	—	—	—	—
12. RESERVE UNIT DATA ASGD/AUTH % N/A STRENGTH					
UNIT DESIGNATION		AUTHORIZED		ACTUAL	
This project will provide transient quarters for up to 424 full-time student personnel attending resident courses in a temporary duty (TDY) status. Annual student load will average 8,500 per year.					
13. MAJOR EQUIPMENT AND AIRCRAFT					
TYPE Not Applicable.		AUTHORIZED		ACTUAL	
14. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES (\$000)					
Air Pollution 0					
Water Pollution 0					
Safety and Occupational Health 0					

1. COMPONENT USAR	FY 1998 MILITARY CONSTRUCTION PROJECT DATA			2. DATE Feb 97
3. INSTALLATION AND LOCATION Fort McCoy Sparta, WI		4. PROJECT TITLE ARRTC (Phase II)		
5. PROGRAM ELEMENT 0505978A	6. CATEGORY CODE 171-40	7. PROJECT NUMBER CAR 98-01939	8. PROJECT COST (\$000) 14,856	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
<u>PRIMARY FACILITIES:</u> ARRTC Bilingting Facility	m2	9873	1231	<u>12155</u> (12155)
<u>SUPPORTING FACILITIES:</u> Site Preparation/Improvements	LS			<u>1193</u> ( 407)
Demolition	LS			( 34)
Concrete Surfaces	m2	1467	41	( 60)
Asphalt Paving	m2	10804	31	( 332)
Gravel Surfaces	m2	4924	7	( 36)
Utilities	LS			( 270)
Curbs; Gutters; Sidewalks	LS			( 54)
TOTAL CONSTRUCTION COST				13348
Contingencies (5.0%)				667
Supervision and Administration (6.0%)				<u>841</u>
TOTAL PROJECT COST				14856
10. DESCRIPTION OF PROPOSED CONSTRUCTION Construct a three-story billeting facility to support the Army Reserve Readiness Training Center (ARRTC). Permanent construction will consist of concrete foundations and floor slabs, structural steel frame with masonry veneer and standing seam metal roof. Supporting construction includes parking and site utilities. Air Conditioning: 492 kW.				
11. REQUIREMENT: 9,873 m <sup>2</sup> Adequate: 0 m <sup>2</sup> Substandard: 0 m <sup>2</sup>				
PROJECT: Construct an Army Reserve Readiness Training Center (ARRTC) billeting facility. (Current Mission)				
REQUIREMENT: The mission of the ARRTc is to provide continuous, year-round training for the full-time military and civilian personnel who work in support of the Army Reserve mission. The ARRTc is the sole source of USAR-specific training for full-time personnel and has an annual student load of about 8,500 per year. This training mission generates a recurring and significant transient billeting requirement for personnel on temporary duty (TDY). This project will meet the requirement by providing a modern and adequate billeting facility. An equivalent amount (9,873 m <sup>2</sup> ) of World War II wooden structures will be demolished as part of the project.				
CURRENT SITUATION: Students at the ARRTc are currently housed in sixteen World War II temporary wooden structures, modified to provide transient quarters. Efficient and comfortable heating and cooling of these buildings is not possible. These buildings are dispersed in the 1200, 1300, and 1400 blocks of the cantonment area and are isolated from the training facility by as much as one-half mile. The current available billeting does not meet projected student load requirements, resulting in deferred training since off-post quarters are not available.				
IMPACT IF NOT PROVIDED: Critical training for full-time military and				

1. COMPONENT USAR	FY 1998 MILITARY CONSTRUCTION PROJECT DATA	2. DATE Feb 97
3. INSTALLATION AND LOCATION Fort McCoy Sparta, WI		
4. PROJECT TITLE ARRTC (Phase II)	5. PROJECT NUMBER CAR 98-01939	

civilian personnel of the Army Reserve will continue to be deferred due to inadequate billeting space at the ARRTC. Personnel will continue to be housed in inadequate and substandard World War II structures.

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

- (1) Status:
  - (a) Date Design Started ..... 09/91
  - (b) Percent Complete as of Jan 97 ..... 100
  - (c) Date Design 35% Complete ..... 05/92
  - (d) Date Design Complete ..... 06/94
- (2) Basis:
  - (a) Standard or Definitive Design - Yes
  - (b) Where Design Was Most Recently Used - McConnell AFB
- (3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)
  - (a) Production of Plans and Specifications ..... (716)
  - (b) All Other Design Costs ..... (104)
  - (c) Total ..... (820)
  - (d) Contract ..... (687)
  - (e) In-House ..... (133)
- (4) Construction Start ..... 05/98

b. Equipment associated with this project which will be provided from other appropriations:

Equipment <u>Nomenclature</u>	Procuring <u>Appropriation</u>	Fiscal Year <u>Appropriated Or Requested</u>	Cost (\$000)
Collateral Equipment	OMAR	1998	146
Furniture	OMAR	1999	<u>1475</u>
Total			1621

POC: LTC Lincoln, 703-696-3992

1. COMPONENT USAR	<b>FY 1998 GUARD AND RESERVE MILITARY CONSTRUCTION</b>			2. DATE Feb 97															
3. INSTALLATION AND LOCATION Fort McCoy, Sparta, WI				4. AREA CONSTR COST INDEX 1.33															
5. FREQUENCY AND TYPE UTILIZATION  Reservists - 4 weekends/month; Annual Training (AT) Full-Time Personnel - 7 days/week																			
6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 15 MILE RADIUS None																			
7. PROJECTS REQUESTED IN THIS PROGRAM																			
<u>CATEGORY CODE</u>	<u>PROJECT TITLE</u>	<u>SCOPE</u>	<u>COST (\$000)</u>	<u>DESIGN STATUS START</u>															
171-22	Combat Pistol Range	Lump Sum	1,500	01/96 09/97															
8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION Facilities identified in Item 6 have been examined by the <u>N/A</u> (Date) Joint Service Reserve Component Facility Board for possible joint use/expansion. The board recommends unilateral construction.																			
9. LAND ACQUISITION REQUIRED None <u>0</u> (Number of Acres)																			
10. PROJECTS PLANNED IN NEXT FOUR YEARS																			
Fiscal Year      Cost (\$000)																			
<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 40%;">ARRTC (Phase II)</td> <td style="width: 20%;">1998</td> <td style="width: 40%;">14,856</td> </tr> <tr> <td>Electric Power to Ranges</td> <td>1998</td> <td>2,611</td> </tr> <tr> <td>Modified Record Fire Range</td> <td>1998</td> <td>1,973</td> </tr> <tr> <td>Crash Rescue Station</td> <td>1999</td> <td>2,140</td> </tr> <tr> <td>Machine Gun Range</td> <td>1999</td> <td>2,350</td> </tr> </table>					ARRTC (Phase II)	1998	14,856	Electric Power to Ranges	1998	2,611	Modified Record Fire Range	1998	1,973	Crash Rescue Station	1999	2,140	Machine Gun Range	1999	2,350
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RPM Backlog (\$000): 9,659																			

1. COMPONENT USAR	FY 1998 GUARD AND RESERVE MILITARY CONSTRUCTION				2. DATE Feb 97		
3. INSTALLATION AND LOCATION Fort McCoy, Sparta, WI							
11. PERSONNEL STRENGTH AS OF N/A							
	PERMANENT			GUARD/RESERVE			
	TOTAL	OFFICER	ENLISTED	CIVILIAN	TOTAL	OFFICER	ENLISTED
AUTHORIZE	—	—	—	—	—	—	—
ACTUAL	—	—	—	—	—	—	—
12. RESERVE UNIT DATA ASGD/AUTH % N/A		STRENGTH					
UNIT DESIGNATION		AUTHORIZED		ACTUAL			
This project will provide a Combat Pistol Range for the installation. No specific reserve units are associated with the project.							
13. MAJOR EQUIPMENT AND AIRCRAFT							
TYPE Not Applicable		AUTHORIZED		ACTUAL			
14. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES (\$000)							
Air Pollution 0							
Water Pollution 0							
Safety and Occupational Health 0							

1. COMPONENT USAR	FY 1998 MILITARY CONSTRUCTION PROJECT DATA			2. DATE Feb 97
3. INSTALLATION AND LOCATION Fort McCoy Sparta, WI		4. PROJECT TITLE Combat Pistol Range		
5. PROGRAM ELEMENT 0505978A	6. CATEGORY CODE 171-22	7. PROJECT NUMBER CAR 98-10513	8. PROJECT COST (\$000) 1,500	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
<u>PRIMARY FACILITIES:</u> Combat Pistol Range	LS			<u>1249</u> (1249)
<u>SUPPORTING FACILITIES:</u> Site Improvements/Demolition	LS			<u>99</u> ( 45)
Electrical Service	LS			<u>48</u> ( 48)
Range Information Systems	LS			<u>6</u> ( 6)
TOTAL CONSTRUCTION COST				<u>1348</u>
Contingencies (5.0%)				<u>67</u>
Supervision and Administration (6.0%)				<u>85</u>
TOTAL PROJECT COST				<u>1500</u>
10. DESCRIPTION OF PROPOSED CONSTRUCTION Construct a standard design combat pistol range to accommodate soldiers' weapons qualification requirements. The modern range will consist of fifteen (15) firing lanes, 105 targets, remote engagement target system (RETS), a control tower, ammunition breakdown shelter, administrative and maintenance building, covered food service area, latrines, and concurrent training areas. Air Conditioning: 3 kW.				
11. REQUIREMENT: (1) Range      Adequate: 0      Substandard: 0				
PROJECT: Construct a new standard design combat pistol range. (Current Mission)				
REQUIREMENT: This project is required to provide a realistic and standard combat pistol range at Fort McCoy that meets training and qualification standards of Army Field Manual (FM) 23-25, FM 25-7, and FM 350-38. The new range will facilitate adequate weapons training and qualification for Reserve and Active Component personnel in accordance with Department of the Army (DA) standards.				
CURRENT SITUATION: Fort McCoy does not currently have a combat pistol range that conforms to existing Army standards. The present pistol ranges were constructed in the 1950s and are neither large enough nor configured and equipped properly to support modern training standards.				
IMPACT IF NOT PROVIDED: Fort McCoy will continue to have only inadequate and substandard combat pistol ranges, and approximately 18,000 Reserve and Active Component soldiers who must use these ranges annually will continue to be unable to train and qualify to current standards.				
12. SUPPLEMENTAL DATA:				

1. COMPONENT USAR	FY 1998 MILITARY CONSTRUCTION PROJECT DATA	2. DATE Feb 97
3. INSTALLATION AND LOCATION Fort McCoy Sparta, WI		
4. PROJECT TITLE Combat Pistol Range	5. PROJECT NUMBER CAR 98-10513	

a. Estimated Design Data:

(1) Status:

- (a) Date Design Started ..... 01/96
- (b) Percent Complete as of Jan 97 ..... 65
- (c) Date Design 35% Complete ..... 09/96
- (d) Date Design Complete ..... 09/97

(2) Basis:

- (a) Standard or Definitive Design - Yes
- (b) Where Design Was Most Recently Used - DA-Wide
- (3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)
  - (a) Production of Plans and Specifications ..... ( 97)
  - (b) All Other Design Costs ..... ( 67)
  - (c) Total ..... (164)
  - (d) Contract ..... (155)
  - (e) In-House ..... ( 9)
- (4) Construction Start ..... 05/98

b. Equipment associated with this project which will be provided from other appropriations:

<u>Equipment Nomenclature</u>	<u>Procuring Appropriation</u>	<u>Fiscal Year Appropriated Or Requested</u>	<u>Cost (\$000)</u>
Targets	OPA	1998	339
Information Systems	OPA	1998	<u>1</u>
Total			340

POC: LTC Lincoln, 703-696-3992

1. COMPONENT USAR	<b>FY 1998 GUARD AND RESERVE MILITARY CONSTRUCTION</b>			2. DATE Feb 97
3. INSTALLATION AND LOCATION Fort McCoy, Sparta, WI			4. AREA CONSTR COST INDEX 1.33	
5. FREQUENCY AND TYPE UTILIZATION  Reservists - 4 weekends/month; Annual Training Full-Time Personnel - 7 days/week				
6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 15 MILE RADIUS None				
7. PROJECTS REQUESTED IN THIS PROGRAM				
CATEGORY CODE		PROJECT TITLE	SCOPE	COST (\$000)
812-42		Electric Power to Ranges	Lump Sum	2,611
			START	DESIGN STATUS COMPLETE
			12/95	09/97
8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION Facilities identified in Item 6 have been examined by the <u>N/A</u> (Date) Joint Service Reserve Component Facility Board for possible joint use/expansion. The board recommends unilateral construction.				
9. LAND ACQUISITION REQUIRED None <span style="float: right;">0 (Number of Acres)</span>				
10. PROJECTS PLANNED IN NEXT FOUR YEARS				
		Fiscal Year	Cost (\$000)	
ARRTC (Phase II)		1998	14,856	
Combat Pistol Range		1998	1,500	
Modified Record Fire Range		1998	1,973	
Crash Rescue Station		1999	2,140	
Machine Gun Range		1999	2,350	
RPM Backlog (\$000): 9,659				

1. COMPONENT USAR	FY 1998 GUARD AND RESERVE MILITARY CONSTRUCTION						2. DATE Feb 97
3. INSTALLATION AND LOCATION Fort McCoy, Sparta, WI							
11. PERSONNEL STRENGTH AS OF N/A							
	PERMANENT			GUARD/RESERVE			
	<u>TOTAL</u>	<u>OFFICER</u>	<u>ENLISTED</u>	<u>TOTAL</u>	<u>OFFICER</u>	<u>ENLISTED</u>	
AUTHORIZE	_____	_____	_____	_____	_____	_____	
ACTUAL	_____	_____	_____	_____	_____	_____	
12. RESERVE UNIT DATA ASGD/AUTH % N/A							STRENGTH
UNIT DESIGNATION				AUTHORIZED		ACTUAL	
This project will provide for an upgrade to the electrical distribution system for the installation range complex. No specific reserve units are associated with the project.							
13. MAJOR EQUIPMENT AND AIRCRAFT							
TYPE Not Applicable				AUTHORIZED		ACTUAL	
14. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES							(\$000)
Air Pollution							0
Water Pollution							0
Safety and Occupational Health							0

1. COMPONENT USAR	FY 1998 MILITARY CONSTRUCTION PROJECT DATA			2. DATE Feb 97
3. INSTALLATION AND LOCATION Fort McCoy Sparta, WI		4. PROJECT TITLE Electric Power To Ranges		
5. PROGRAM ELEMENT 0505978A	6. CATEGORY CODE 812-42	7. PROJECT NUMBER CAR 98-10203	8. PROJECT COST (\$000) 2,611	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
<u>PRIMARY FACILITIES:</u> Power Distribution System	LS			<u>2282</u> (2282)
<u>SUPPORTING FACILITIES:</u> Electrical Service Connections	LS			<u>64</u> ( 34)
Site Improvements/Demolition	LS			<u>30</u> ( 30)
TOTAL CONSTRUCTION COST				2346
Contingencies (5.0%)				117
Supervision and Administration (6.0%)				<u>148</u>
TOTAL PROJECT COST				2611
10. DESCRIPTION OF PROPOSED CONSTRUCTION Construct a new power distribution system to serve eight existing and three future ranges to operate range facilities and target mechanisms. Construction will include about 20 km of buried cable, 1 km of cable ducts (under certain ranges), substation, transformers, manholes, and power taps and connections at destinations. Air Conditioning: N/A.				
11. REQUIREMENT: (1) System Adequate: 0 Substandard: 0				
PROJECT: Construct an electrical power distribution system. (Current Mission)				
REQUIREMENT: This project is required to provide safe, reliable, and essential electrical service to various ranges at Fort McCoy in order to ensure 24-hour availability of electricity, to eliminate the need to issue, use, and maintain portable generators at major ranges. The project will include extending electrical power to the sites of three future ranges.				
CURRENT SITUATION: Over 100,000 soldiers train at Fort McCoy annually, and the installation's ranges are used extensively to support training and qualification on individual and crew-served weapons. Portable generators must be used at eight existing ranges (6A, 18, 21, 22, 31, 32, 33, & 34) to generate electricity to operate target mechanisms and other essential range facilities. The installation must hand receipt the required tactical generators from reserve units, maintain them, and keep them serviced during use. This practice is very burdensome on the installation and the owning reserve units, is an inefficient way to provide power to frequently used ranges, and presents significant safety hazards to the users in the forms of fires and electrocutions.				
IMPACT IF NOT PROVIDED: Fort McCoy will continue to use an inefficient				

1. COMPONENT USAR	FY 1998 MILITARY CONSTRUCTION PROJECT DATA	2. DATE Feb 97
3. INSTALLATION AND LOCATION Fort McCoy Sparta, WI		
4. PROJECT TITLE Electric Power To Ranges	5. PROJECT NUMBER CAR 98-10203	

and potentially hazardous system to provide electrical power to operate frequently used ranges. Units operating these ranges will continue to suffer losses of training time caused by generator failures and downtime.

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

(1) Status:

(a) Date Design Started .....	<u>12/95</u>
(b) Percent Complete as of Jan 97 .....	<u>65</u>
(c) Date Design 35% Complete .....	<u>09/96</u>
(d) Date Design Complete .....	<u>09/97</u>

(2) Basis:

(a) Standard or Definitive Design - No
(b) Where Design Was Most Recently Used - N/A

(3) Total Cost (c) = (a) + (b) or (d) + (e):	(\$000)
(a) Production of Plans and Specifications .....	<u>(130)</u>
(b) All Other Design Costs .....	<u>(47)</u>
(c) Total .....	<u>(177)</u>
(d) Contract .....	<u>(167)</u>
(e) In-House .....	<u>(10)</u>
(4) Construction Start: .....	<u>05/98</u>

b. Equipment associated with this project which will be provided from other appropriations:

<u>Equipment Nomenclature</u>	<u>Procuring Appropriation</u>	<u>Fiscal Year Appropriated Or Requested</u>	<u>Cost (\$000)</u>
None			

POC: LTC Lincoln, 703-696-3992

1. COMPONENT USAR	<b>FY 1998 GUARD AND RESERVE MILITARY CONSTRUCTION</b>			2. DATE Feb 97
3. INSTALLATION AND LOCATION Fort McCoy, Sparta, WI				4. AREA CONSTR COST INDEX 1.33
5. FREQUENCY AND TYPE UTILIZATION  Reservists - 4 weekends/month; Annual Training Full-Time Personnel - 7 days/week				
6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 15 MILE RADIUS None				
7. PROJECTS REQUESTED IN THIS PROGRAM				
<u>CATEGORY</u> <u>CODE</u>	<u>PROJECT TITLE</u>	<u>SCOPE</u>	<u>COST</u> <u>(\$000)</u>	<u>DESIGN STATUS</u> <u>START</u> <u>COMPLETE</u>
171-22	Modified Record Fire Range	Lump Sum	1,973	01/96 09/97
8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION Facilities identified in Item 6 have been examined by the <u>N/A</u> <u>(Date)</u> Joint Service Reserve Component Facility Board for possible joint use/expansion. The board recommends unilateral construction.				
9. LAND ACQUISITION REQUIRED None <u>0</u> <u>(Number of Acres)</u>				
10. PROJECTS PLANNED IN NEXT FOUR YEARS				
Fiscal Year      Cost (\$000)				
ARRTC (Phase II)	1998	14,856		
Combat Pistol Range	1998	1,500		
Electric Power to Ranges	1998	2,611		
Crash Rescue Station	1999	2,140		
Machine Gun Range	1999	2,350		
RPM Backlog (\$000): 9,659				

1. COMPONENT USAR	FY 1998 GUARD AND RESERVE MILITARY CONSTRUCTION				2. DATE Feb 97																												
3. INSTALLATION AND LOCATION Fort McCoy, Sparta, WI																																	
11. PERSONNEL STRENGTH AS OF N/A																																	
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	PERMANENT			GUARD/RESERVE																													
	<u>TOTAL</u>	<u>OFFICER</u>	<u>ENLISTED</u>	<u>CIVILIAN</u>	<u>TOTAL</u>	<u>OFFICER</u>	<u>ENLISTED</u>																										
AUTHORIZE	_____	_____	_____	_____	_____	_____																											
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12. RESERVE UNIT DATA ASGD/AUTH % N/A STRENGTH																																	
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TYPE	AUTHORIZED	ACTUAL																															
Not Applicable																																	
14. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES (\$000)																																	
<table> <tbody> <tr> <td>Air Pollution</td> <td>0</td> </tr> <tr> <td>Water Pollution</td> <td>0</td> </tr> <tr> <td>Safety and Occupational Health</td> <td>0</td> </tr> </tbody> </table>						Air Pollution	0	Water Pollution	0	Safety and Occupational Health	0																						
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1. COMPONENT USAR	FY 1998 MILITARY CONSTRUCTION PROJECT DATA			2. DATE Feb 97
3. INSTALLATION AND LOCATION Fort McCoy Sparta, WI		4. PROJECT TITLE Modified Record Fire Range		
5. PROGRAM ELEMENT 0505978A	6. CATEGORY CODE 171-22	7. PROJECT NUMBER CAR 98-10205	8. PROJECT COST (\$000) 1,973	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
<u>PRIMARY FACILITIES:</u> Modified Record Fire Range	LS			<u>1479</u> (1479)
<u>SUPPORTING FACILITIES:</u> Site Improvements	LS			<u>293</u> ( 227)
Electrical Service	LS			<u>42</u> ( 42)
Paving, Walks, Curbs, & Gutters	LS			<u>24</u> ( 24)
TOTAL CONSTRUCTION COST				1772
Contingencies (5.0%)				89
Supervision and Administration (6.0%)				<u>112</u>
TOTAL PROJECT COST				1973
10. DESCRIPTION OF PROPOSED CONSTRUCTION Construct a modified record fire range for training and qualification firing of the M-16 rifle. Construction will include 16 firing lanes, 112 targets, control tower, ammunition breakdown building, operations/storage building, classroom, bleachers, covered food service area, latrines, range access roads, and other site improvements. Air Conditioning: 4 kW.				
11. REQUIREMENT: (1) Range      Adequate: 0      Substandard: (1) Range  PROJECT: Construct a modified record fire range (M-16 Rifle). (Current Mission) REQUIREMENT: This project will provide for realistic rifle marksmanship training and qualification in accordance with Department of the Army (DA) standards. The range will incorporate modern remote engagement targeting system (RETS) equipment. CURRENT SITUATION: Over 100,000 soldiers train at Fort McCoy annually, and the installation's ranges are used extensively to support training and qualification on individual weapons. The existing record fire range for M-16 rifles is antiquated and inadequate to meet both the current training demand and training/qualification standards. Battlefield conditions cannot be simulated on the existing, outdated range. Manual scoring systems used on the old range are prone to error and bias and detract from the quality of training achieved by the RETS equipment. IMPACT IF NOT PROVIDED: Thousands of reserve and active component soldiers who use Fort McCoy annually will continue to have to use an outdated and antiquated record fire range that fails to provide rifle training and qualification to modern Army standards.				
12. SUPPLEMENTAL DATA:				

1. COMPONENT USAR	FY 1998 MILITARY CONSTRUCTION PROJECT DATA		2. DATE Feb 97
3. INSTALLATION AND LOCATION Fort McCoy Sparta, WI			
4. PROJECT TITLE Modified Record Fire Range	5. PROJECT NUMBER CAR 98-10205		

a. Estimated Design Data:

(1) Status:

(a) Date Design Started .....	01/96
(b) Percent Complete as of Jan 97 .....	65
(c) Date Design 35% Complete .....	09/96
(d) Date Design Complete .....	09/97

(2) Basis:

(a) Standard or Definitive Design - No	
(b) Where Design Was Most Recently Used - N/A	
(3) Total Cost (c) = (a) + (b) or (d) + (e):	(\$000)
(a) Production of Plans and Specifications .....	(100)
(b) All Other Design Costs .....	(71)
(c) Total .....	(171)
(d) Contract .....	(161)
(e) In-House .....	(10)
(4) Construction Start .....	05/98

b. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested	Cost (\$000)
Target Systems	OPA	1998	959
Information Systems	OPA	1998	1
Total			960

POC: LTC Lincoln, 703-696-3992

1. COMPONENT USAR	FY 1998 MILITARY CONSTRUCTION PROJECT DATA			2. DATE Feb 97
3. INSTALLATION AND LOCATION Worldwide Unspecified		4. PROJECT TITLE Planning and Design		
5. PROGRAM ELEMENT 0505978A	6. CATEGORY CODE 171-40	7. PROJECT NUMBER N/A	8. PROJECT COST (\$000) 5,100	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
Planning and Design	LS			5,100
10. DESCRIPTION OF PROPOSED CONSTRUCTION Prepare engineering plans, designs, drawings, and specifications required to execute the USAR military construction program.				
11. REQUIREMENT: To provide for design of military construction projects required to support the U.S. Army Reserve (USAR) mission.				
POC: LTC Roy Higgins, 703-696-3992				